

**DECLARATION AND POWER OF ATTORNEY**

As a below named inventor, I declare that:

My residence, post office address and citizenship are as stated below next to my name; I believe I am, or an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: **INSTRUCTION CACHE ASSOCIATIVE CROSSBAR SWITCH** the specification of which or X was filed on April 9, 1998 as Application No. 09/057,861.

I have reviewed and understand the contents of the above identified specification, including the claims, pending as of February 12, 2001. I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56. I claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Country	Application No.	Date of Filing	Priority Claimed Under 35 USC 119

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I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below:

Application No.	Filing Date

I claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application No.	Date of Filing	Status
08/147,797	November 5, 1993	abandoned
08/498,135	July 5, 1995	abandoned
08/754,337	November 22, 1996	U.S. Patent No. 5,794,003



POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Stephen Y. Pang, Reg. No. 38,575
Robert C. Colwell, Reg. No. 27,431

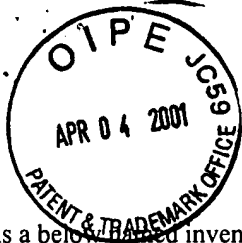
Send Correspondence to: Stephen Y. Pang TOWNSEND and TOWNSEND and CREW LLP Two Embarcadero Center, 8th Floor San Francisco, California 94111-3834	Direct Telephone Calls to: (Name, Reg. No., Telephone No.) Name: Stephen Y. Pang Reg. No.: 38,575 Telephone: 650-326-2400
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Full Name of Inventor 1:	Last Name: SACHS	First Name: HOWARD	Middle Name or Initial: G.	
Residence & Citizenship:	City: Los Altos	State/Foreign Country: California	Country of Citizenship: United States	
Post Office Address:	Post Office Address: 148 Garland Way	City: Los Altos	State/Country: California	Postal Code: 94022-2230
Full Name of Inventor 2:	Last Name: ARYA	First Name: SIAMAK	Middle Name or Initial:	
Residence & Citizenship:	City: Palo Alto	State/Foreign Country: California	Country of Citizenship: United States	
Post Office Address:	Post Office Address: 398 Creekside Drive	City: Palo Alto	State/Country: California	Postal Code: 940306-4508

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor 1  Howard G. Sachs	Signature of Inventor 2  Siamak Arya
Date <i>Feb 14, 2001</i>	Date

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DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I declare that:

My residence, post office address and citizenship are as stated below next to my name; I believe I am, or an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: **INSTRUCTION CACHE ASSOCIATIVE CROSSBAR SWITCH** the specification of which or X was filed on April 9, 1998 as Application No. 09/057,861.

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Prior Foreign Application(s)

Country	Application No.	Date of Filing	Priority Claimed Under 35 USC 119

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Application No.	Filing Date

I claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application No.	Date of Filing	Status
08/147,797	November 5, 1993	abandoned
08/498,135	July 5, 1995	abandoned
08/754,377	November 22, 1996	U.S. Patent No. 5,794,003



POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Stephen Y. Pang, Reg. No. 38,575
Robert C. Colwell, Reg. No. 27,431

Send Correspondence to: Stephen Y. Pang TOWNSEND and TOWNSEND and CREW LLP Two Embarcadero Center, 8th Floor San Francisco, California 94111-3834	Direct Telephone Calls to: (Name, Reg. No., Telephone No.) Name: Stephen Y. Pang Reg. No.: 38,575 Telephone: 650-326-2400
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Full Name of Inventor 1:	Last Name: SACHS	First Name: HOWARD	Middle Name or Initial: G.	
Residence & Citizenship:	City: Belvedere	State/Foreign Country: California	Country of Citizenship: United States	
Post Office Address:	Post Office Address: 298 Bella Vista	City: Belvedere	State/Country: California	Postal Code: 94920
Full Name of Inventor 2:	Last Name: ARYA	First Name: SIAMAK	Middle Name or Initial:	
Residence & Citizenship:	City: Cupertino	State/Foreign Country: California	Country of Citizenship: United States	
Post Office Address:	Post Office Address: 21310 Columbus Ave.	City: Cupertino	State/Country: California	Postal Code: 95014

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor 1	Signature of Inventor 2
	
Howard G. Sachs	Siamak Arya
Date	Date <u>2,28,01</u>

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ASSIGNMENT OF PATENT APPLICATION

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WHEREAS, HOWARD G. SACHS of 298 Bella Vista, Belvedere, California 94920, hereinafter referred to as "Assignor," is the inventor of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: INSTRUCTION CACHE ASSOCIATIVE CROSSBAR SWITCH

Date of execution: 10/21/93 Filing date: Serial No. ; and

WHEREAS, INTERGRAPH CORPORATION, a Delaware corporation, One Madison Industrial Park, 289 Dunlop Boulevard, Huntsville, Alabama 35824, hereinafter referred to as "Assignee," is desirous of acquiring an interest in the invention and application and in any Letters Patent and Registrations which may be granted on the same;

FOR GOOD AND VALUABLE CONSIDERATION, receipt of which is hereby acknowledged by Assignor, Assignor has assigned, and by these presents does assign to Assignee all right, title and interest in and to the invention and application, all foreign counterparts (including patent, utility model and industrial designs), and all future improvements thereon, and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignor had this assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignor further agrees that Assignor will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name on the date indicated.

Signature of Assignor as written above

10/21/93

Date

SIGNATURE WITNESSED BY:

RECORDED
PATENT & TRADEMARK OFFICE

(1) Date: NOV - 5 93

Signature of Witness 1

Name Printed

(2) Date:

Signature of Witness 2

Name Printed

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RECORDATION FORM COVER SHEET
PATENTS ONLY

Attorney Docket No. 12172-45/1

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks, Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

HOWARD G. SACHS

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies):

Name: INTERGRAPH CORPORATION

Internal Address:

Street Address: One Madison Industrial Park, 289 Dunlop Boulevard

City: Huntsville State: Alabama ZIP: 35824

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other:

Execution Date: October 21, 1993

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s).

If this document is being filed together with a new application, the execution date of the application is: October 21, 1993

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Robert C. Colwell
TOWNSEND and TOWNSEND KHOURIE and CREW
Twentieth Floor
Steuart Street Tower
One Market Plaza
San Francisco, California 94105-1492
(415) 326-2400

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):..... \$ 40.00

- ☐ Enclosed ☒ Charge Fees to Deposit Account
☒ Charge any additional fees associated with this paper or during the pendency of this application, or credit any overpayment, to deposit account

8. Deposit account number: 20-1430

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Robert C. Colwell

Name of Person Signing

Signature

November 5, 1993

Date

Total number of pages including cover sheet, attachments, and document: 2

10. Change Correspondence Address to that of Part 5? ☒ Yes ☐ No

OMB No. 0651-0011 (exp. 4/94)

Do not detach this portion
Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents and Trademarks
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